

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1 and 2 (canceled).

3. (previously presented): A service searching system that searches for a service in a distributed system wherein a range of services are distributed in a network, comprising:

a wireless server device connected to the network and implementing a master search service; and

a wireless terminal device implementing a slave search service, being capable of communicating with the server wirelessly, and being capable of utilizing the master search service, wherein:

the wireless terminal device includes a storage means for caching at least one service object obtained through the master search service;

in the case of searching for the service through the slave search service, the wireless terminal device begins by searching the at least one service object cached in the storage means;

in the case of failing to detect the service in the slave search service, the wireless terminal device searches for the service through the master search service;

priority data corresponding to each of at least one service object that is to be cached in the wireless terminal device is generated on the basis of at least one selected from necessity,

importance and frequency in use of each of the at least one service object in the wireless terminal device;

the priority data is related to each of the at least one service object and cached together;

the priority data is updated according to use of the at least one service object; and

when the cached at least one service object overflows in order to cache a new service object in the wireless terminal device, at least one low-priority service object is deleted on the basis of the priority data.

4. (previously presented): A service searching system that searches for a service in a distributed system wherein a range of services are distributed in a network, comprising:

a wireless server device connected to the network and implementing a master search service; and

a wireless terminal device implementing a slave search service, being capable of communicating with the server wirelessly, and being capable of utilizing the master search service, wherein:

the wireless terminal device includes a storage means for caching at least one service object obtained through the master search service;

in the case of searching for the service through the slave search service, the wireless terminal device begins by searching the at least one service object cached in the storage means; and

in the case of failing to detect the service in the slave search service, the wireless terminal device searches for the service through the master search service,

wherein, when the wireless terminal device searches the wireless server device for the service through the master search service, communication between the wireless terminal device and the wireless server device is executed by being converted into a command and a parameter in which an amount of communication data is reduced.

5. (previously presented): A service searching system that searches for a service in a distributed system wherein a range of services are distributed in a network, comprising:

a wireless server device connected to the network and implementing a master search service; and

a wireless terminal device implementing a slave search service, being capable of communicating with the server wirelessly, and being capable of utilizing the master search service, wherein:

the wireless terminal device includes a storage means for caching at least one service object obtained through the master search service;

in the case of searching for the service through the slave search service, the wireless terminal device begins by searching the at least one service object cached in the storage means;

in the case of failing to detect the service in the slave search service, the wireless terminal device searches for the service through the master search service;

priority data corresponding to each of at least one service object that is to be cached in the wireless terminal device is generated on the basis of at least one selected from necessity, importance and frequency in use of each of the at least one service object in the wireless terminal device;

the priority data is related to each of the at least one service object and cached together;
and

the priority data is updated according to use of the at least one service object,
wherein, when the wireless terminal device searches the wireless server device for the
service through the master search service, communication between the wireless terminal device
and the wireless server device is executed by being converted into a command and a parameter in
which an amount of communication data is reduced.

6. (Original) The service searching system as claimed in claim 3, wherein, when the
wireless terminal device searches the wireless server device for the service through the master
search service, communication between the wireless terminal device and the wireless server
device is executed by being converted into a command and a parameter in which an amount of
communication data is reduced.

7. (currently amended) A service searching system that searches for a service in a
distributed system wherein a range of services are distributed in a network, comprising:

a wireless server device connected to the network and implementing a master search
service; and

a wireless terminal device implementing a slave search service, being capable of
communicating with the server wirelessly, and being capable of utilizing the master search
service, wherein:

the wireless terminal device includes a storage means for caching at least one service object obtained through the master search service;

in the case of searching for the service through the slave search service, the wireless terminal device begins by searching the at least one service object cached in the storage means; and

in the case of failing to detect the service in the slave search service, the wireless terminal device searches for the service through the master search service, wherein a wireless communication protocol between the wireless terminal device and the wireless server device implements a means for assuring communication quality in a wireless section as a protocol, said means for assuring communication quality comprising at least one of error-retry and error-recovery.

8. (previously presented): A service searching system that searches for a service in a distributed system wherein a range of services are distributed in a network, comprising:

a wireless server device connected to the network and implementing a master search service; and

a wireless terminal device implementing a slave search service, being capable of communicating with the server wirelessly, and being capable of utilizing the master search service, wherein:

the wireless terminal device includes a storage means for caching at least one service object obtained through the master search service;

in the case of searching for the service through the slave search service, the wireless terminal device begins by searching the at least one service object cached in the storage means;

in the case of failing to detect the service in the slave search service, the wireless terminal device searches for the service through the master search service;

priority data corresponding to each of at least one service object that is to be cached in the wireless terminal device is generated on the basis of at least one selected from necessity, importance and frequency in use of each of the at least one service object in the wireless terminal device;

the priority data is related to each of the at least one service object and cached together;
and

the priority data is updated according to use of the at least one service object,

wherein a wireless communication protocol between the wireless terminal device and the wireless server device implements a means for assuring communication quality in a wireless section as a protocol.

9. (Original): The service searching system as claimed in claim 3, wherein a wireless communication protocol between the wireless terminal device and the wireless server device implements a means for assuring communication quality in a wireless section as a protocol.